

IN THE CLAIMS

Please amend claims 1-16 as follows.

A clean copy of the amended claims is included below. A marked up copy of the entire set of claims is included in Appendix A.

Please amend the claims as follows.

1 1. (Amended) A device for measuring usage of system resources in a
 2 communication network, the device comprising:
 3 means for measuring which radio resources are used by a transmission in a
 4 system;
 5 means for measuring which data service units are used for transmission in the
 6 system; and
 7 means for measuring which transmission characteristics are used by
 8 transmission in the system, wherein all of the means for measuring are adapted for
 9 performing respective collective measurement.

1 2. (Amended) The device according to claim 1, wherein said transmission
 2 characteristics comprise an information transfer capability information.

1 3. (Amended) The device according to claim 1, further comprising means for
 2 evaluating, detecting and identifying respective dependencies of said system resource
 3 usage by evaluating measurement results of said means for measuring.

1 4. Amended) The device according to claim 1, wherein said device is part of a
 2 switching center of said communication network.

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1 5. (Amended) The device according to claim 1, wherein said device is part of a
2 base-station subsystem of said communication network.

1 6. (Amended) The device according to claim 1, wherein said transmission
2 contains high speed circuit switched data.

1 7. (Amended) The device according to claim 1, wherein said transmission
2 contains data which is channel coded according to Enhanced Data rates for GSM
3 Evolution.

1 8. (Amended) A method for measuring a usage of system resources in a
2 communication network, the method comprising measuring parameters of
3 circumstances of a transmission in a system, said parameters being at least radio
4 resources used by said transmission in a system, data service units used for said
5 transmission in a system, and transmission characteristics used by said transmission
6 in a system, wherein said measuring is carried out collectively.

1 9. (Amended) The method according to claim 8, wherein said transmission
2 characteristics comprise an information transfer capability information.

1 10. (Amended) The method according to claim 8, further comprising detecting
2 and identifying respective dependencies of system resource usage.

1 11. (Amended) The method according to claim 8, wherein said measurements
2 are carried out in a switching center of said communication network.

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1 12. (Amended) The method according to claim 8, wherein said measurements
2 are carried out in a base-station subsystem of said communication network.

C2 1 13. (Amended) The method according to claim 8, wherein said transmission
2 contains high speed circuit switched data.

1 14. (Amended) The method according to claim 8, wherein said transmission
2 contains data which is channel coded according to Enhanced Data rates for GSM
3 Evolution.

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1 15. (Amended) A method for dimensioning system resources for a usage by
2 transmissions in a system, the method comprising:
3 determining circumstances of transmissions as well as changes in
4 circumstances of transmissions in a system;
5 calculating separately for each transmission circumstance an intensity of data
6 traffic in a communication network from reservation times of data service units used by
7 transmissions and from release times of transmissions;
8 considering a change of a radio channel configuration by updating the
9 calculation performed separately for each transmission circumstance;
10 determining dependencies based upon results of measurements,
11 determinations and calculations;
12 generating statistics based upon results of measurements, determinations and
13 calculations ; and
14 processing generated statistics for dimensioning system resources for usage by
15 transmissions in the system.

1 16. (Amended) The method according to claim 15, wherein calculations are
2 performed separately for each parameter corresponding to transmission
3 circumstances as well as to a change of transmission circumstances.